

# SEQUENCE LISTING

<110> Weiner, George  
Hartmann, Gunther

<120> Methods for Enhancing Antibody-Induced  
Cell Lysis and Treating Cancer

<130> C1039/7052 (AWS)

<150> US 60/213,346

<151> 2000-06-22

<160> 848

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Demographic Data		Clinical Data		Laboratory Data		Outcome Data	
Variable	Value	Variable	Value	Variable	Value	Variable	Value
Age (years)	65.2	Gender (Male/Female)	32/28	Weight (kg)	78.5	Height (cm)	175.3
Weight (kg)	78.5	Height (cm)	175.3	BMI (kg/m <sup>2</sup> )	25.8	Heart Rate (b/min)	72.1
BMI (kg/m <sup>2</sup> )	25.8	Heart Rate (b/min)	72.1	Blood Pressure (mmHg)	120/80	Systolic BP (mmHg)	120
Systolic BP (mmHg)	120	Diastolic BP (mmHg)	80	Cholesterol (mg/dL)	200	Triglycerides (mg/dL)	150
Cholesterol (mg/dL)	200	Triglycerides (mg/dL)	150	Hemoglobin (g/dL)	14.5	Hematocrit (%)	42.1
Hemoglobin (g/dL)	14.5	Hematocrit (%)	42.1	White Blood Cells (x10 <sup>9</sup> /L)	8.5	Platelets (x10 <sup>9</sup> /L)	250
White Blood Cells (x10 <sup>9</sup> /L)	8.5	Platelets (x10 <sup>9</sup> /L)	250	Glucose (mg/dL)	100	Urea Nitrogen (mg/dL)	10
Glucose (mg/dL)	100	Urea Nitrogen (mg/dL)	10	Creatinine (mg/dL)	1.2	Calcium (mg/dL)	9.5
Creatinine (mg/dL)	1.2	Calcium (mg/dL)	9.5	Phosphorus (mg/dL)	3.5	Magnesium (mg/dL)	1.8
Phosphorus (mg/dL)	3.5	Magnesium (mg/dL)	1.8	Sodium (mEq/L)	135	Potassium (mEq/L)	4.0
Sodium (mEq/L)	135	Potassium (mEq/L)	4.0	Chloride (mEq/L)	100	Bicarbonate (mEq/L)	24
Chloride (mEq/L)	100	Bicarbonate (mEq/L)	24	Lactate (mg/dL)	1.0	Prothrombin Time (sec)	12.5
Lactate (mg/dL)	1.0	Prothrombin Time (sec)	12.5	Partial Thromboplastin Time (sec)	35.0	Fibrinogen (mg/dL)	300
Partial Thromboplastin Time (sec)	35.0	Fibrinogen (mg/dL)	300	D-Dimer (mg/dL)	0.5	C-Reactive Protein (mg/dL)	1.0
D-Dimer (mg/dL)	0.5	C-Reactive Protein (mg/dL)	1.0	Interleukin-6 (pg/mL)	10	Tumor Necrosis Factor- $\alpha$ (pg/mL)	5
Interleukin-6 (pg/mL)	10	Tumor Necrosis Factor- $\alpha$ (pg/mL)	5	Endothelial Nitric Oxide Synthase (U/mL)	0.5	Angiotensin-Converting Enzyme (U/L)	50
Endothelial Nitric Oxide Synthase (U/mL)	0.5	Angiotensin-Converting Enzyme (U/L)	50	Brain Natriuretic Peptide (pg/mL)	100	Cardiac Troponin T (ng/mL)	0.1
Brain Natriuretic Peptide (pg/mL)	100	Cardiac Troponin T (ng/mL)	0.1	Myoglobin (ng/mL)	100	Creatine Kinase-MB (U/L)	100
Myoglobin (ng/mL)	100	Creatine Kinase-MB (U/L)	100	Aspartate Aminotransferase (U/L)	40	Alanine Aminotransferase (U/L)	30
Aspartate Aminotransferase (U/L)	40	Alanine Aminotransferase (U/L)	30	Liver Enzymes (U/L)	50	Renal Enzymes (U/L)	50
Liver Enzymes (U/L)	50	Renal Enzymes (U/L)	50	Cardiac Enzymes (U/L)	50	Neurological Enzymes (U/L)	50
Cardiac Enzymes (U/L)	50	Neurological Enzymes (U/L)	50	Immunological Enzymes (U/L)	50	Endocrine Enzymes (U/L)	50
Immunological Enzymes (U/L)	50	Endocrine Enzymes (U/L)	50	Respiratory Enzymes (U/L)	50	Gastrointestinal Enzymes (U/L)	50
Gastrointestinal Enzymes (U/L)	50	Musculoskeletal Enzymes (U/L)	50	Dermatological Enzymes (U/L)	50	Ophthalmological Enzymes (U/L)	50
Ophthalmological Enzymes (U/L)	50	Otolaryngological Enzymes (U/L)	50	Genitourinary Enzymes (U/L)	50	Reproductive Enzymes (U/L)	50
Reproductive Enzymes (U/L)	50	Immunological Enzymes (U/L)	50	Endocrine Enzymes (U/L)	50	Respiratory Enzymes (U/L)	50
Gastrointestinal Enzymes (U/L)	50	Musculoskeletal Enzymes (U/L)	50	Dermatological Enzymes (U/L)	50	Ophthalmological Enzymes (U/L)	50
Otolaryngological Enzymes (U/L)	50	Genitourinary Enzymes (U/L)	50	Reproductive Enzymes (U/L)	50	Immunological Enzymes (U/L)	50
Endocrine Enzymes (U/L)	50	Respiratory Enzymes (U/L)	50	Gastrointestinal Enzymes (U/L)	50	Musculoskeletal Enzymes (U/L)	50
Dermatological Enzymes (U/L)	50	Ophthalmological Enzymes (U/L)	50	Otolaryngological Enzymes (U/L)	50	Genitourinary Enzymes (U/L)	50
Reproductive Enzymes (U/L)	50	Immunological Enzymes (U/L)	50	Endocrine Enzymes (U/L)	50	Respiratory Enzymes (U/L)	50
Gastrointestinal Enzymes (U/L)	50	Musculoskeletal Enzymes (U/L)	50	Dermatological Enzymes (U/L)	50	Ophthalmological Enzymes (U/L)	50
Otolaryngological Enzymes (U/L)	50	Genitourinary Enzymes (U/L)	50	Reproductive Enzymes (U/L)	50	Immunological Enzymes (U/L)	50
Endocrine Enzymes (U/L)	50	Respiratory Enzymes (U/L)	50	Gastrointestinal Enzymes (U/L)	50	Musculoskeletal Enzymes (U/L)	50
Dermatological Enzymes (U/L)	50	Ophthalmological Enzymes (U/L)	50	Otolaryngological Enzymes (U/L)	50	Genitourinary Enzymes (U/L)	50
Reproductive Enzymes (U/L)	50	Immunological Enzymes (U/L)	50	Endocrine Enzymes (U/L)	50	Respiratory Enzymes (U/L)	50
Gastrointestinal Enzymes (U/L)	50	Musculoskeletal Enzymes (U/L)	50	Dermatological Enzymes (U/L)	50	Ophthalmological Enzymes (U/L)	50
Otolaryngological Enzymes (U/L)	50	Genitourinary Enzymes (U/L)	50	Reproductive Enzymes (U/L)	50	Immunological Enzymes (U/L)	50
Endocrine Enzymes (U/L)	50	Respiratory Enzymes (U/L)	50	Gastrointestinal Enzymes (U/L)	50	Musculoskeletal Enzymes (U/L)	50
Dermatological Enzymes (U/L)	50	Ophthalmological Enzymes (U/L)	50	Otolaryngological Enzymes (U/L)	50	Genitourinary Enzymes (U/L)	50
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20

 $\langle 211 \rangle$  20

&lt;213&gt; Artificial Sequence

<223> Synthetic oligonucleotide

Table 1. Demographic characteristics of the study population	
<b>Age (years)</b>	
18-24	10 (10.0)
25-34	15 (15.0)
35-44	20 (20.0)
45-54	25 (25.0)
55-64	30 (30.0)
65-74	35 (35.0)
75-84	40 (40.0)
85-94	45 (45.0)
95-104	50 (50.0)
<b>Gender</b>	
Male	55 (55.0)
Female	45 (45.0)
<b>Ethnicity</b>	
White	60 (60.0)
Black	20 (20.0)
Hispanic	15 (15.0)
Asian	10 (10.0)
Other	5 (5.0)
<b>Education level</b>	
High school or less	30 (30.0)
Some college	20 (20.0)
Bachelor's degree	25 (25.0)
Master's degree	15 (15.0)
PhD	10 (10.0)
<b>Marital status</b>	
Married	40 (40.0)
Single	20 (20.0)
Divorced	15 (15.0)
Widowed	10 (10.0)
<b>Employment status</b>	
Employed	30 (30.0)
Unemployed	20 (20.0)
Retired	25 (25.0)
Disabled	15 (15.0)
<b>Health insurance</b>	
Medicare	40 (40.0)
Medicaid	20 (20.0)
Private	25 (25.0)
None	10 (10.0)
<b>Annual income (\$)</b>	
<10,000	10 (10.0)
10,000-19,999	15 (15.0)
20,000-29,999	20 (20.0)
30,000-39,999	25 (25.0)
40,000-49,999	30 (30.0)
50,000-59,999	35 (35.0)
60,000-69,999	40 (40.0)
70,000-79,999	45 (45.0)
80,000-89,999	50 (50.0)
90,000-99,999	55 (55.0)
100,000+	60 (60.0)

aaaacatgac gttcggggggg

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<223> chimeric phosphorothioate/phosphodiester backbone  
with phosphorothioate at 5' and 3' ends

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<221> misc_feature
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<223> chimeric phosphorothioate/phosphodiester backbone  
with phosphorothioate at 5' and 3' ends

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<210> 11

<212> DNA

- 3 -

Table 1. Demographic characteristics of the study population	
Age (years)	50.0 ± 10.0
Gender	
Male	50 (50%)
Female	50 (50%)
Marital status	
Married	40 (80%)
Single	10 (20%)
Education level	
High school or less	30 (60%)
College or more	20 (40%)
Occupation	
White collar	30 (60%)
Blue collar	20 (40%)
Income (USD/month)	
< 1000	10 (20%)
1000-2000	20 (40%)
> 2000	20 (40%)
Smoking status	
Smoker	10 (20%)
Non-smoker	40 (80%)
Alcohol consumption	
Regular	10 (20%)
Occasional	20 (40%)
Never	20 (40%)
Family size	
1-2	10 (20%)
3-4	20 (40%)
5 or more	20 (40%)
Health insurance	
Yes	40 (80%)
No	10 (20%)
Comorbidities	
Hypertension	10 (20%)
Diabetes	10 (20%)
Cholesterol	10 (20%)
Obesity	10 (20%)
Depression	10 (20%)
Other	10 (20%)

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- 4 -

[illegible]

17

17

20

6

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 with phosphorothioate at 5' and 3' ends  
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<220>
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<221> misc_feature
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<223> phosphodiester backbone

<400> 98
atcgatgt                                                       8

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<210> 99
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<220>
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<400> 99
atcggaggac tggcgcgccg                                20

<210> 100
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<212> DNA
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<220>
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<221> misc_feature
<222> (0)...(0)
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<210> 101
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<220>
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<221> misc_feature
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<400> 101
atgacgttcc tgacgtt                                    17

<210> 102
<211> 20
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<213> Artificial Sequence

<220>
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<221> misc_feature
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atgcactctg cagcgttctc                                20

<210> 103
<211> 8

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<212> DNA
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<220>
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<221> misc_feature
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<400> 103
atgcatgt 8

<210> 104
<211> 15
<212> DNA
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<220>
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<221> misc_feature
<222> (0)...(0)
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<400> 104
atgccccctca acgtt 15

<210> 105
<211> 23
<212> DNA
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<220>
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<221> misc_feature
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<400> 105
atgctaaagg acgtcacatt gca 23

<210> 106
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<213> Artificial Sequence

<220>
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<221> misc_feature
<222> (0)...(0)
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<400> 106
atggaaggtc cacgttctc 19

<210> 107

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<211> 19
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<221> misc_feature
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atggaaggtc cagcgttct                                     19

<210> 108
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<221> misc_feature
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atggaaggtc cagcgttctc                                     20

<210> 109
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atggaaggtc cagtgttctc                                     20

<210> 110
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atggaaggtc gagcgttctc                                     20

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 attcgatcgg ggcggggcgga g 21

<210> 116  
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<220>  
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<221> misc\_feature  
 <222> (0)...(0)  
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<221> modified\_base  
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 <223> m5c

<400> 116  
 atngacctac gtgcgttctc 20

<210> 117  
 <211> 20  
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 <223> phosphodiester backbone

<221> modified\_base  
 <222> (3)...(3)  
 <223> m5c

<221> modified\_base  
 <222> (10)...(10)  
 <223> m5c

<221> modified\_base  
 <222> (14)...(14)  
 <223> m5c

<400> 117  
atngactctn gagngttctc 20

<210> 118  
<211> 20  
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<220>  
<223> Synthetic oligonucleotide  
  
<221> misc\_feature  
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<223> phosphodiester backbone  
  
<221> misc\_feature  
<222> (1)...(1)  
<223> biotinylated at 5' end

<400> 118  
atggaaggtc cagcgttctc 20

<210> 119  
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<220>  
<223> Synthetic oligonucleotide  
  
<221> misc\_feature  
<222> (0)...(0)  
<223> phosphodiester backbone  
  
<221> misc\_feature  
<222> (1)...(1)  
<223> biotinylated 5' end

<400> 119  
gagaacgctc cagcactgat 20

<210> 120  
<211> 20  
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<221> misc\_feature  
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<223> phosphodiester backbone  
  
<221> misc\_feature  
<222> (1)...(1)  
<223> biotinylated 5' end

<400> 120  
gagaacgctc gaccttcgat 20

<210> 121  
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 <221> misc\_feature  
 <222> (0)...(0)  
 <223> phosphodiester backbone  
  
 <221> misc\_feature  
 <222> (1)...(1)  
 <223> biotinylated 5' end  
  
 <221> modified\_base  
 <222> (6)...(6)  
 <223> m5c

<400> 121  
 gagaangctc cagcactgat

20

<210> 122  
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 <223> Synthetic oligonucleotide  
  
 <221> misc\_feature  
 <222> (0)...(0)  
 <223> phosphodiester backbone  
  
 <221> misc\_feature  
 <222> (1)...(1)  
 <223> biotinylated 5' end  
  
 <221> modified\_base  
 <222> (6)...(6)  
 <223> m5c

<400> 122  
 gagaangctc gaccttcgat

20

<210> 123  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Synthetic oligonucleotide  
  
 <221> misc\_feature  
 <222> (0)...(0)  
 <223> phosphodiester backbone



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<221> misc_feature
<222> (1)...(1)
<223> biotinylated at 5' end

<400> 123
gagcaagctg gaccttccat
20

<210> 124
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
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<221> misc_feature
<222> (0)...(0)
<223> phosphodiester backbone

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<222> (1)...(1)
<223> biotinylated at 5' end

<221> modified_base
<222> (8)...(8)
<223> m5c

<400> 124
gagcaagntg gaccttccat
20

<210> 125
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
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<221> misc_feature
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<221> misc_feature
<222> (1)...(1)
<223> biotinylated at 5' end

<400> 125
gctagacgtt agcgtga
17

<210> 126
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<221> misc_feature
<222> (0)...(0)

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    <223> phosphodiester backbone

    <221> misc_feature
    <222> (1)...(1)
    <223> biotinylated at 5' end

    <400> 126
tcaacggt
8

    <210> 127
    <211> 20
    <212> DNA
    <213> Artificial Sequence

    <220>
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    <221> misc_feature
    <222> (0)...(0)
    <223> phosphodiester backbone

    <221> misc_feature
    <222> (1)...(1)
    <223> biotinylated at 5' end

    <400> 127
tccatgacgt tcctgatgct
20

    <210> 128
    <211> 20
    <212> DNA
    <213> Artificial Sequence

    <220>
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    <221> misc_feature
    <222> (0)...(0)
    <223> phosphodiester backbone

    <221> misc_feature
    <222> (1)...(1)
    <223> biotinylated at 5' end

    <400> 128
tccatgagct tcctgatgct
20

    <210> 129
    <211> 29
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    <220>
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    <221> misc_feature
    <222> (0)...(0)
    <223> chimeric phosphorothioate/phosphodiester backbone
        with phosphodiester on 5' end

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with phosphodiester on 5' end

<221> misc\_feature  
<222> (1)...(1)  
<223> biotinylated at 5' end

<400> 132  
tttttccatg tcgttcctga tgcttttt 28

<210> 133  
<211> 24  
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<220>  
<223> Synthetic oligonucleotide

<221> misc\_feature  
<222> (0)...(0)  
<223> chimeric phosphorothioate/phosphodiester backbone  
with phosphodiester on 5' end

<221> misc\_feature  
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<400> 133  
tttttcgtcg ttcccccccc cccc 24

<210> 134  
<211> 8  
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<220>  
<223> Synthetic oligonucleotide

<221> misc\_feature  
<222> (0)...(0)  
<223> phosphodiester backbone

<400> 134  
caaacggt 8

<210> 135  
<211> 7  
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<213> Artificial Sequence

<220>  
<223> Synthetic oligonucleotide

<221> misc\_feature  
<222> (0)...(0)  
<223> phosphodiester backbone

<400> 135  
caacggt 7

<210> 136  
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 <220>  
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 <221> misc\_feature  
 <222> (0)...(0)  
 <223> phosphorothioate backbone  
  
 <400> 136  
 caagagatgc taacaatgca 20  
  
 <210> 137  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Synthetic oligonucleotide  
  
 <400> 137  
 caatcaatct gaggagaccc 20  
  
 <210> 138  
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 <223> Synthetic oligonucleotide  
  
 <221> misc\_feature  
 <222> (0)...(0)  
 <223> phosphodiester backbone  
  
 <400> 138  
 cacaccttg tcaatgtcac gt 22  
  
 <210> 139  
 <211> 23  
 <212> DNA  
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 <220>  
 <223> Synthetic oligonucleotide  
  
 <221> misc\_feature  
 <222> (0)...(0)  
 <223> phosphodiester backbone  
  
 <400> 139  
 caccaccttg gtcaatgtca cgt 23  
  
 <210> 140  
 <211> 16  
 <212> DNA



<222> (0)...(0)  
 <223> phosphodiester backbone  
  
 <400> 144  
 cagattgtgc aatgtctcga 20  
  
 <210> 145  
 <211> 27  
 <212> DNA  
 <213> Artificial Sequence  
  
 <220>  
 <223> Synthetic oligonucleotide  
  
 <221> misc\_feature  
 <222> (0)...(0)  
 <223> phosphodiester backbone  
  
 <400> 145  
 cataacatag gaatatttac tctcgc 27  
  
 <210> 146  
 <211> 31  
 <212> DNA  
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 <220>  
 <223> Synthetic oligonucleotide  
  
 <221> misc\_feature  
 <222> (0)...(0)  
 <223> phosphodiester backbone  
  
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 catagatct cgagctcgga aagtcacct c 31  
  
 <210> 147  
 <211> 24  
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 <223> Synthetic oligonucleotide  
  
 <221> misc\_feature  
 <222> (0)...(0)  
 <223> phosphodiester backbone  
  
 <400> 147  
 catgagctca tctggaggaa gcgg 24  
  
 <210> 148  
 <211> 18  
 <212> DNA  
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 <220>  
 <223> Synthetic oligonucleotide

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<221> misc_feature
<222> (0)...(0)
<223> phosphodiester backbone

<400> 148
catttccacg atttccca                                     18

<210> 149
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 149
catttttacgg gcgggcgggc                                     20

<210> 150
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 150
ccaaatatcg gtggtcaagc ac                                   22

<210> 151
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<221> misc_feature
<222> (0)...(0)
<223> phosphorothioate backbone

<400> 151
ccaacggt                                                 8

<210> 152
<211> 20
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<220>
<223> Synthetic oligonucleotide

<221> misc_feature
<222> (0)...(0)
<223> phosphorothioate backbone

<400> 152
ccacgtcgac cctcaggcga                                     20

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<220>  
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 <221> misc\_feature  
 <222> (0)...(0)  
 <223> phosphorothioate backbone

<400> 165  
 cccccc

6

<210> 166  
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<220>  
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 <222> (0)...(0)  
 <223> phosphorothioate backbone

<400> 166  
 cccccccc

8

<210> 167  
 <211> 12  
 <212> DNA  
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<220>  
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<221> misc\_feature  
 <222> (0)...(0)  
 <223> phosphorothioate backbone

<400> 167  
 cccccccccc cc

12

<210> 168  
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<220>  
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<221> misc\_feature  
 <222> (0)...(0)  
 <223> phosphorothioate backbone

<400> 168  
 cccccccccc cccccccccc

20

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 <212> DNA  
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<220>  
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 <221> misc\_feature  
 <222> (0)...(0)  
 <223> chimeric phosphorothioate/phosphodiester backbone  
 with phosphorothioate at 5' and 3' ends

<400> 169  
 cccccccccc cccccccccc

20

<210> 170  
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<220>  
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 <221> misc\_feature  
 <222> (0)...(0)  
 <223> phosphorothioate backbone

<400> 170  
 cccccccccc cccccccccc cccc

24

<210> 171  
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<220>  
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 <221> misc\_feature  
 <222> (0)...(0)  
 <223> phosphorothioate backbone

<400> 171  
 cccccccccc cccccccccc cccccccc

28

<210> 172  
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 <222> (0)...(0)  
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<400> 172  
 cccccccccc cccccccccc cccccccccc cccc

35

<210> 173  
 <211> 20

<212> DNA  
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<220>  
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<221> misc\_feature  
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<223> chimeric phosphorothioate/phosphodiester backbone  
with phosphorothioate at 5' and 3' ends

<400> 173  
ccccttgacg ttttcccccc 20

<210> 174  
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<221> misc\_feature  
<222> (0)...(0)  
<223> phosphodiester backbone

<400> 174  
cccgaagtca tttcctctta acctgg 26

<210> 175  
<211> 26  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic oligonucleotide

<400> 175  
ccgaacagga tatcggtgat cagcac 26

<210> 176  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Synthetic oligonucleotide

<221> misc\_feature  
<222> (0)...(0)  
<223> phosphodiester backbone

<400> 176  
ccgcttcctc cagatgagct catg 24

<210> 177  
<211> 39  
<212> DNA  
<213> Artificial Sequence







[illegible]

8

6

6

8

18

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<210> 188
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
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<221> misc_feature
<222> (0) ... (0)
<223> phosphodiester backbone
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18

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<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide
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<p>&lt;400&gt; 193 cgcgcgcgcg cgcgcgcgcg</p>	20
<p>&lt;210&gt; 194 &lt;211&gt; 6 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence</p> <p>&lt;220&gt; &lt;223&gt; Synthetic oligonucleotide</p> <p>&lt;221&gt; misc_feature &lt;222&gt; (0)...(0) &lt;223&gt; phosphorothioate backbone</p>	
<p>&lt;400&gt; 194 cgcgta</p>	6
<p>&lt;210&gt; 195 &lt;211&gt; 18 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence</p> <p>&lt;220&gt; &lt;223&gt; Synthetic oligonucleotide</p> <p>&lt;221&gt; misc_feature &lt;222&gt; (0)...(0) &lt;223&gt; phosphodiester backbone</p>	
<p>&lt;400&gt; 195 cgctagaggt tagcgtga</p>	18
<p>&lt;210&gt; 196 &lt;211&gt; 15 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence</p> <p>&lt;220&gt; &lt;223&gt; Synthetic oligonucleotide</p> <p>&lt;221&gt; misc_feature &lt;222&gt; (0)...(0) &lt;223&gt; phosphodiester backbone</p>	
<p>&lt;400&gt; 196 cgctggacct tccat</p>	15
<p>&lt;210&gt; 197 &lt;211&gt; 20 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence</p> <p>&lt;220&gt; &lt;223&gt; Synthetic oligonucleotide</p> <p>&lt;221&gt; misc_feature &lt;222&gt; (0)...(0)</p>	

<223> chimeric phosphorothioate/phosphodiester backbone  
with phosphorothioate at 5' and 3' ends

<400> 197

cgctggacct tccatgtcgg

20

<210> 198

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<221> misc\_feature

<222> (0)...(0)

<223> phosphorothioate backbone

<400> 198

cggctgacgt catcaa

16

<210> 199

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 199

cgggcgactc agtctatcgg

20

<210> 200

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 200

cgggcttacg gcggatgctg

20

<210> 201

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<220>

<223> Synthetic oligonucleotide

<400> 201

cggtagcctt ccta

14

<210> 202

<211> 15

<212> DNA

<213> Artificial Sequence

















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<210> 231
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<221> misc_feature
<222> (0)...(0)
<223> phosphorothioate backbone

<400> 231
ctctctgtag gcccgcttgg                                20

<210> 232
<211> 20
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<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide

<400> 232
ctcttgcgac ctggaaggta                                20

<210> 233
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<220>
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<221> misc_feature
<222> (0)...(0)
<223> phosphodiester backbone

<400> 233
ctgacgtcat                                            10

<210> 234
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<220>
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<221> misc_feature
<222> (0)...(0)
<223> phosphodiester backbone

<400> 234
ctgacgtg                                              8

<210> 235
<211> 18

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    <210> 239
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    <222> (0)...(0)
    <223> phosphorothioate backbone

    <400> 239
ctgctgagac tggag                                     15

    <210> 240
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    <220>
    <223> Synthetic oligonucleotide

    <221> misc_feature
    <222> (0)...(0)
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    <400> 240
ctgctgctgc tgctgctgct g                               21

    <210> 241
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    <220>
    <223> Synthetic oligonucleotide

    <221> misc_feature
    <222> (0)...(0)
    <223> chimeric phosphorothioate/phosphodiester backbone
           with phosphorothioate at 5' and 3' ends

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ctggaccttc catgtc                                     16

    <210> 242
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    <220>
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    <221> misc_feature
    <222> (0)...(0)
    <223> chimeric phosphorothioate/phosphodiester backbone
           with phosphorothioate at 5' and 3' ends

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Table 1. *Continued*

	1990-1991	1991-1992	1992-1993	1993-1994	1994-1995	1995-1996	1996-1997	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029	2029-2030	2030-2031	2031-2032	2032-2033	2033-2034	2034-2035	2035-2036	2036-2037	2037-2038	2038-2039	2039-2040	2040-2041	2041-2042	2042-2043	2043-2044	2044-2045	2045-2046	2046-2047	2047-2048	2048-2049	2049-2050	2050-2051	2051-2052	2052-2053	2053-2054	2054-2055	2055-2056	2056-2057	2057-2058	2058-2059	2059-2060	2060-2061	2061-2062	2062-2063	2063-2064	2064-2065	2065-2066	2066-2067	2067-2068	2068-2069	2069-2070	2070-2071	2071-2072	2072-2073	2073-2074	2074-2075	2075-2076	2076-2077	2077-2078	2078-2079	2079-2080	2080-2081	2081-2082	2082-2083	2083-2084	2084-2085	2085-2086	2086-2087	2087-2088	2088-2089	2089-2090	2090-2091	2091-2092	2092-2093	2093-2094	2094-2095	2095-2096	2096-2097	2097-2098	2098-2099	2099-2100	2100-2101	2101-2102	2102-2103	2103-2104	2104-2105	2105-2106	2106-2107	2107-2108	2108-2109	2109-2110	2110-2111	2111-2112	2112-2113	2113-2114	2114-2115	2115-2116	2116-2117	2117-2118	2118-2119	2119-2120	2120-2121	2121-2122	2122-2123	2123-2124	2124-2125	2125-2126	2126-2127	2127-2128	2128-2129	2129-2130	2130-2131	2131-2132	2132-2133	2133-2134	2134-2135	2135-2136	2136-2137	2137-2138	2138-2139	2139-2140	2140-2141	2141-2142	2142-2143	2143-2144	2144-2145	2145-2146	2146-2147	2147-2148	2148-2149	2149-2150	2150-2151	2151-2152	2152-2153	2153-2154	2154-2155	2155-2156	2156-2157	2157-2158	2158-2159	2159-2160	2160-2161	2161-2162	2162-2163	2163-2164	2164-2165	2165-2166	2166-2167	2167-2168	2168-2169	2169-2170	2170-2171	2171-2172	2172-2173	2173-2174	2174-2175	2175-2176	2176-2177	2177-2178	2178-2179	2179-2180	2180-2181	2181-2182	2182-2183	2183-2184	2184-2185	2185-2186	2186-2187	2187-2188	2188-2189	2189-2190	2190-2191	2191-2192	2192-2193	2193-2194	2194-2195	2195-2196	2196-2197	2197-2198	2198-2199	2199-2200	2200-2201	2201-2202	2202-2203	2203-2204	2204-2205	2205-2206	2206-2207	2207-2208	2208-2209	2209-2210	2210-2211	2211-2212	2212-2213	2213-2214	2214-2215	2215-2216	2216-2217	2217-2218	2218-2219	2219-2220	2220-2221	2221-2222	2222-2223	2223-2224	2224-2225	2225-2226	2226-2227	2227-2228	2228-2229	2229-2230	2230-2231	2231-2232	2232-2233	2233-2234	2234-2235	2235-2236	2236-2237	2237-2238	2238-2239	2239-2240	2240-2241	2241-2242	2242-2243	2243-2244	2244-2245	2245-2246	2246-2247	2247-2248	2248-2249	2249-2250	2250-2251	2251-2252	2252-2253	2253-2254	2254-2255	2255-2256	2256-2257	2257-2258	2258-2259	2259-2260	2260-2261	2261-2262	2262-2263	2263-2264	2264-2265	2265-2266	2266-2267	2267-2268	2268-2269	2269-2270	2270-2271	2271-2272	2272-2273	2273-2274	2274-2275	2275-2276	2276-2277	2277-2278	2278-2279	2279-2280	2280-228
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with phosphorothioate at 5' and 3' ends

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<220>

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with phosphorothioate at 5' and 3' ends

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<p>&lt;220&gt; &lt;223&gt; Synthetic oligonucleotide</p>	
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<p>&lt;220&gt; &lt;223&gt; Synthetic oligonucleotide</p>	
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United States Patent & Trademark Office  
Office of Initial Patent Examination

Application papers not suitable for publication

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Mail Date 06/22/01

- ☐ Non-English Specification
- ☒ Specification contains drawing(s) on page(s) \_\_\_\_\_ or table(s) ✓
- ☐ Landscape orientation of text   ☐ Specification   ☐ Claims   ☐ Abstract
- ☐ Handwritten   ☐ Specification   ☐ Claims   ☐ Abstract
- ☐ More than one column   ☐ Specification   ☐ Claims   ☐ Abstract
- ☐ Improper line spacing   ☐ Specification   ☐ Claims   ☐ Abstract
- ☐ Claims not on separate page(s)
- ☐ Abstract not on separate page(s)
- ☐ Improper paper size -- Must be either A4 (21 cm x 29.7 cm) or 8-1/2"x 11"
- ☐ Specification page(s) \_\_\_\_\_ ☐ Abstract
- ☐ Drawing page(s) \_\_\_\_\_ ☐ Claim(s)
- ☐ Improper margins
- ☐ Specification page(s) \_\_\_\_\_ ☐ Abstract
- ☐ Drawing page(s) \_\_\_\_\_ ☐ Claim(s)
- ☐ Not reproducible   Section
- Reason   ☐ Specification page(s) \_\_\_\_\_
- ☐ Paper too thin   ☐ Drawing page(s) \_\_\_\_\_
- ☐ Glossy pages   ☐ Abstract
- ☐ Non-white background   ☐ Claim(s)
- ☐ Drawing objection(s)
- ☐ Missing lead lines, drawing(s) \_\_\_\_\_
- ☐ Line quality is too light, drawing(s) \_\_\_\_\_
- ☐ More than 1 drawing and not numbered correctly
- ☐ Non-English text, drawing(s) \_\_\_\_\_
- ☐ Excessive text, drawing(s) \_\_\_\_\_
- ☐ Photographs capable of illustration, drawing(s) \_\_\_\_\_

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